

Patent Claims

1. A value or security document,
characterized in that said value or security document includes a circuit (2, 3, 4, 5, 6;
5 9, 10, 11; 21) and said circuit is provided with a break adapted to be closed by a con-
ducting element (8; 12; 21).
2. The value or security document according to claim 1 wherein said con-
ducting element (8; 21) is situated on the document and said conducting element is
movable across the break by forming the document.
- 10 3. The value or security document according to claim 2 wherein said docu-
ment forming operation involves a kinking, bending, rolling and/or folding process.
4. The value or security document according to claim 3 wherein said value
or security document has a predetermined kinking, bending and/or folding line or a
kinking, bending and/or folding zone (7, 16) along which the forming operation essen-
15 tially takes place.
5. The value or security document according to claim 4 wherein said
predetermined kinking, bending and/or folding line or kinking, bending and/or folding
zone is constructed in such manner that the forming operation is essentially reversible.
6. The value or security document according to any one of the preceding
20 claims 1 to 15 wherein said break is constructed to be closable by an external
conducting element (12).
7. The value or security document according to claim 6 wherein the exter-
nal conducting element is a coin (12).
8. The value or security document according to any one of the preceding
25 claims 1 to 7 wherein a security feature is activatable by closing the break with the
conducting element.

9. The value or security document according to claim 8 wherein said security feature is realized by a component designed to issue a visual and/or audible and/or electromagnetic signal.

5 10. The value or security document according to any one of the preceding claims 1 to 9 wherein provision is made for a protective coat on at least one section of the circuit, said protective coat having an aperture in the region of the break so that the break is exposed.

10 11. The value or security document according to any one of the preceding claims 1 to 10 with a source of supply wherein said source of supply is preferably a battery and/or a solar cell and/or an antenna.

12. The value or security document according to claim 11 wherein said break is designed in such manner that the security feature is activated by closing the break with the conducting element.

15 13. The value or security document according to any one of the preceding claims 1 to 12 with a first circuit pattern (19) and with a second circuit pattern (19) which are separated from one another by the break and superimposable one upon the other by forming of the document so that the break is closed.

20 14. The value or security document according to claim 13 wherein said first circuit pattern and said second circuit pattern result in a coil subsequent to the document forming operation.

15. The value or security document according to any one of the preceding claims 1 to 14 with a substrate made of paper and/or plastics film.

25 16. The value or security document according to any one of the preceding claims 1 to 15 wherein one or several elements of the circuit, in particular the conducting element, are printed onto the document by means of a printing ink.

17. A method of manufacturing a value or security document, said method comprising the steps of

- providing a substrate;
 - printing a circuit onto said substrate, said circuit having a break and said
- 5 break being closable by a conducting element.

18. The method according to claim 17, which comprises applying a protective coat to at least one section of the circuit, said coat having apertures in the region of the break causing the break to be exposed.

19. The method according to any one of the preceding claims 17 or 18,

10 which for printing the circuit comprises printing a first circuit pattern and a second circuit pattern which are separated from one another by the break so that by forming of the document the first circuit pattern and the second circuit pattern are superimposable one upon the other.

20. The method according to claim 19 wherein said first circuit pattern is a

15 first coil winding half and said second circuit pattern is a second coil winding half, with a layer of insulating printing ink being printed over a region of the coil winding halves.

21. The method according to claim 20, which comprises printing on said region a layer of a printing ink with a magnetic property, preferably a printing ink with particles of high permeability.